

IN THE CLAIMS:

Please amend the claims as follows:

1. (Currently Amended; Previously Presented) An encapsulation for use in a wellbore, comprising:
a first arcuate wall having a first end and a second end; and
a second wall having a first end and a second end, said first and second ends of said second wall contacting said first and second ends of said first arcuate wall so as to form a line housing between said first and second walls;
wherein the encapsulation is disposable between an expandable downhole tool and a wall of a wellbore, and wherein at least a portion of the first arcuate wall engages the wall of the wellbore when the expandable downhole tool is in an expanded state.
2. (Original) The encapsulation of claim 1, wherein said expandable downhole tool is an expandable tubular, and wherein said encapsulation is fabricated from a deformable material.
3. (Original) The encapsulation of claim 2, wherein said encapsulation serves as a housing for one or more of the following: control lines, instrumentation lines and downhole sensors.
4. (Original) The encapsulation of claim 3, wherein said expandable downhole tool is a sand screen.
5. (Previously Presented) The encapsulation of claim 4, wherein said wellbore includes an open hole portion such that said sand screen is expanded into substantial contact with the wall of the wellbore.
6. (Original) The encapsulation of claim 4, wherein said wellbore defines a cased hole completion such that said sand screen is expanded into substantial contact with casing.

7. (Original) The encapsulation of claim 4, wherein said encapsulation is profiled in a crescent shape.

8. (Previously Presented) The encapsulation of claim 7, wherein said encapsulation further serves as a housing for at least one metal tubular, said at least one metal tubular housing said one or more of the following: control lines, instrumentation lines and downhole sensors.

9. (Previously Presented) An encapsulation between an expandable downhole tool and a wall of a wellbore, the encapsulation comprising at least two walls fabricated from a deformable material, said encapsulation deforming to the general contour of the wall of the wellbore when said downhole tool is expanded against said wall of the wellbore.

10. (Previously Presented) The encapsulation of claim 9, wherein said expandable downhole tool is a sand screen, and wherein said wall of the wellbore is a wall of a formation.

11. (Original) The encapsulation of claim 10, wherein said encapsulation serves as a housing for one or more of the following: control lines, instrumentation lines and downhole sensors.

12. (Original) The encapsulation of claim 11, wherein said encapsulation comprises at least one arcuate wall.

13. (Previously Presented) An encapsulation for use in a wellbore with an expandable downhole tool, comprising:

a first wall;

a second wall; and

a line housing disposed between said first and second walls,

wherein the encapsulation is disposable between an expandable downhole tool and a wall of a wellbore, and wherein at least a portion of the first wall engages the wall of the wellbore when the expandable downhole tool is in an expanded state.

14. (Previously Presented) The encapsulation of claim 13, wherein the line housing serves as a housing for one or more of the following: control lines, instrumentation lines, and downhole sensors.

15. (Currently Amended; Previously Presented) An expandable downhole tool, comprising:

a substantially tubular body forming an outer surface; and

an enclosed line housing defining an arcuate outer surface disposed on the outer surface of the tubular body,

wherein the enclosed line housing defines an arcuate outer surface is deformable upon expansion of the tubular body.

16. (Previously Presented) The expandable downhole tool of claim 15, further comprising a line disposed in the enclosed line housing, the line being configured for propagation of a signal.

17. (Previously Presented) The expandable downhole tool of claim 15, wherein the outer surface of the tubular body comprises a substantially flat surface axially disposed along a length of the tubular body, and wherein the enclosed line housing is disposed on the substantially flat surface, and wherein a cross-section taken through the enclosed line housing and the substantially tubular body is substantially cylindrical.

18. (Currently Amended; Previously Presented) An expandable downhole tool, comprising:

a base pipe;

a shroud concentrically disposed about the base pipe;

a filter media disposed between the base pipe and the shroud; and

an enclosed line housing disposed on the outer surface of the shroud,

wherein the enclosed line housing is deformable upon expansion of the downhole tool.

19. (Previously Presented) The expandable tool of claim 18, wherein the shroud is perforated.

20. (Previously Presented) The expandable tool of claim 18, wherein the enclosed line housing is axially disposed along a length of the shroud.

21. (Previously Presented) The expandable tool of claim 18, wherein the enclosed line housing defines an arcuate outer surface having a radius of curvature substantially equal to that of the shroud.

22. (Previously Presented) The expandable downhole tool of claim 18, further comprising a line disposed in the enclosed line housing, the line being configured for propagation of a signal.

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23. (Previously Presented) The expandable tool of claim 22, wherein the line is selected from one of a control line and a data line.

24. (Previously Presented) An expandable downhole tool, comprising:
a substantially tubular body forming an outer surface;
an enclosed line housing disposed on the outer surface of the tubular body; and
a line disposed in the enclosed line housing, wherein the line is selected from one of a control line and a data line,
wherein the line housing is deformable upon expansion of the tubular body.

Please add the following new claims:

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25. (New) The expandable downhole tool of claim 15, wherein the enclosed line housing is disposable between the tubular body and a wall of a wellbore.

26. (New) The expandable downhole tool of claim 18, wherein the enclosed line housing is disposable between the shroud and a wall of a wellbore.

27. (New) The expandable downhole tool of claim 24, wherein the line housing is disposable between the tubular body and a wall of a wellbore.

28. (New) An encapsulation disposed between an expandable downhole tool and an inner diameter of a wellbore, the encapsulation comprising at least two walls fabricated from a deformable material, wherein the encapsulation contacts the inner diameter of the wellbore when the downhole tool is expanded.

29. (New) A method of protecting one or more control lines within a wellbore, comprising:

providing a downhole tool having an enclosed line housing therethrough;

expanding the downhole tool into the wellbore, thereby radially moving the line housing through an annulus between the downhole tool and the wellbore; and

protecting the one or more control lines with the enclosed line housing during the expansion.

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30. (New) The method of claim 29, further comprising deforming the enclosed line housing upon expansion of the downhole tool to substantially seal the annulus.

31. (New) The method of claim 29, further comprising substantially conforming the enclosed line housing to a shape of a wall of the wellbore upon expansion of the downhole tool to substantially seal the annulus.

32. (New) An apparatus for use in a wellbore, comprising:

an expandable tubular;

a control line connected to the outer diameter of the expandable tubular; and

a controller communicating with the control line,

wherein the control line is disposed within a housing which provides a substantially sealed annulus between the expandable tubular and the wellbore.

33. (New) The apparatus of claim 32, wherein the control line is a fiber optic line.